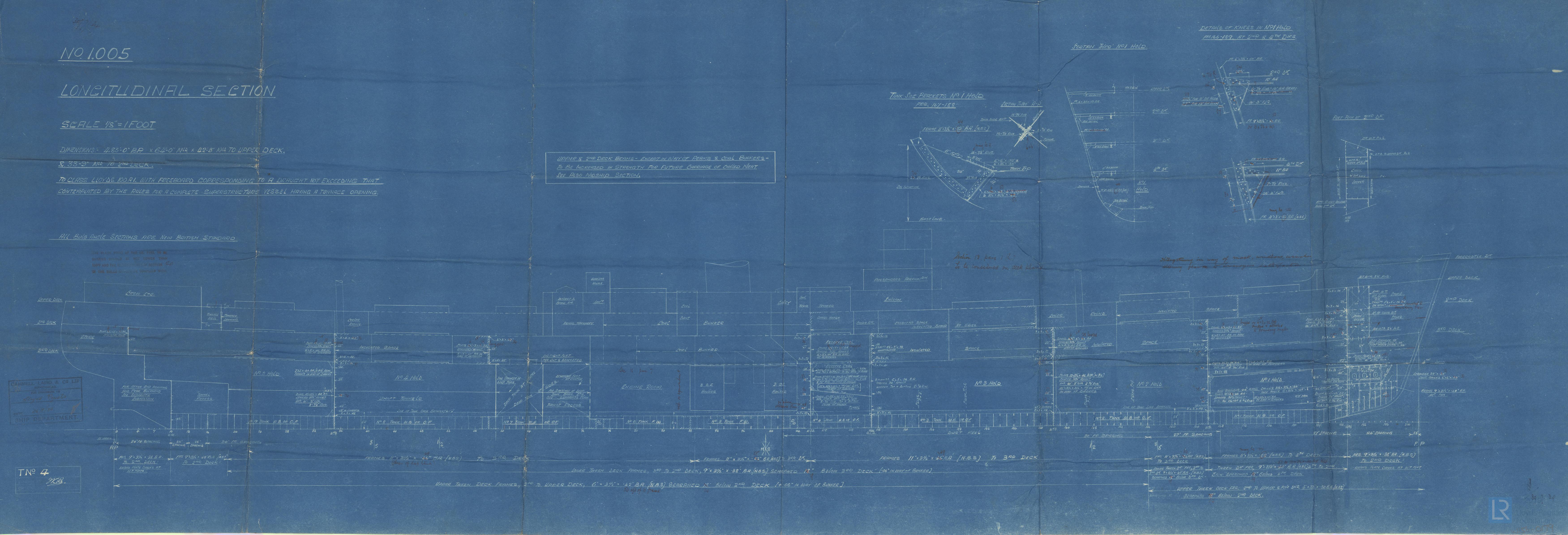


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No. 105830

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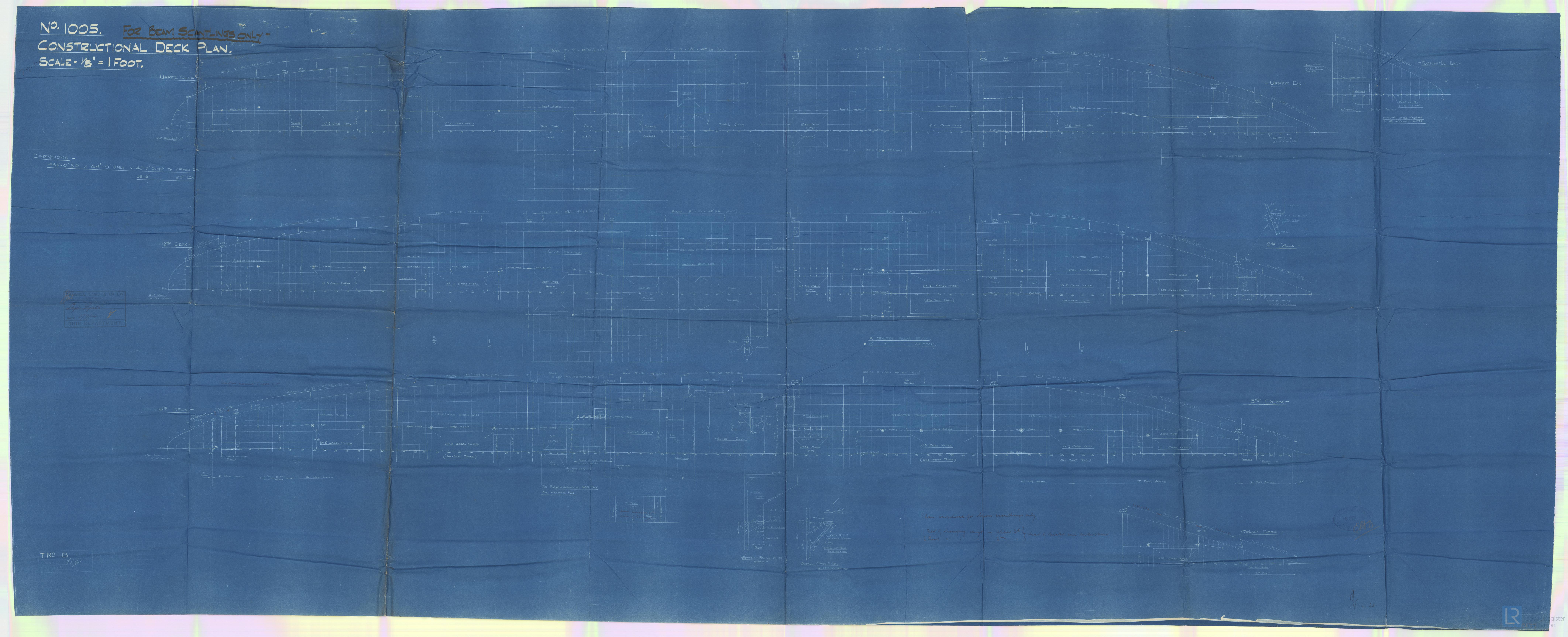




CONSTRUCTIONAL DECK PLAN W156-0177 S. S. City of Manchester LIVERPOOL. © 2019

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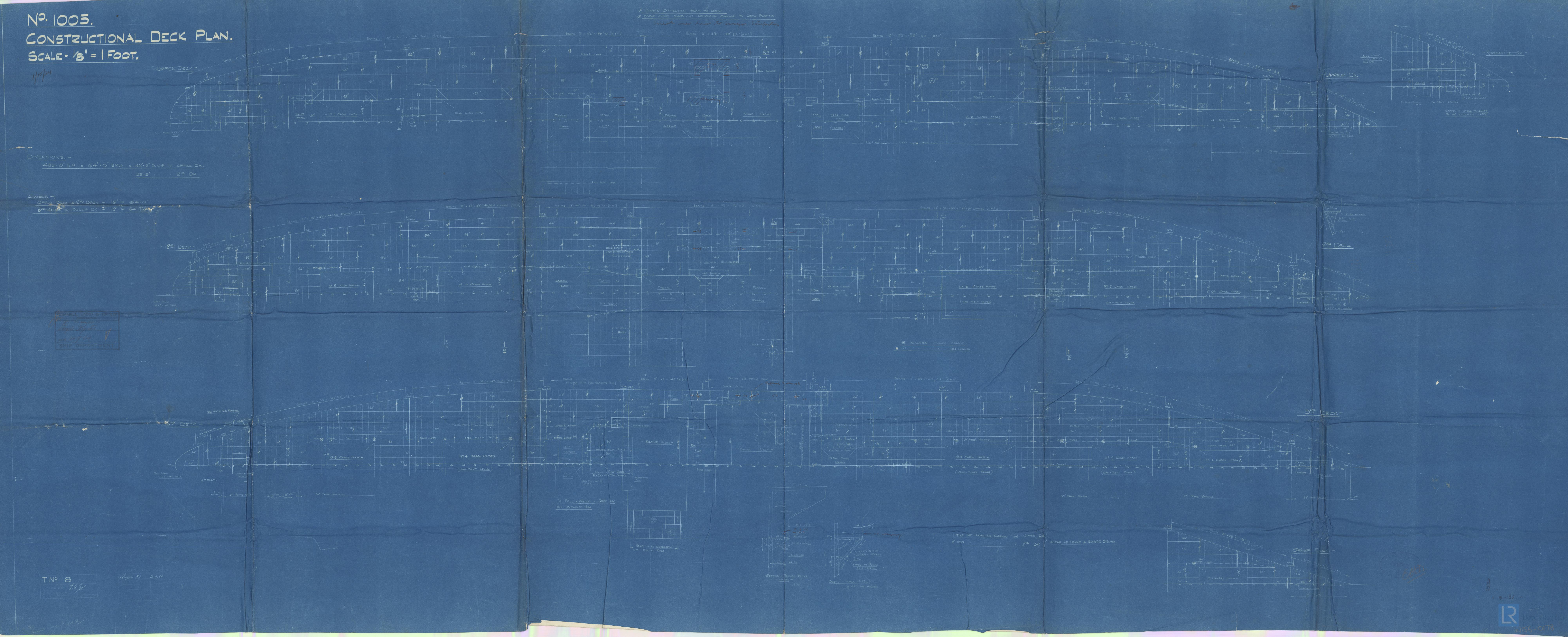


# CONSTRUCTIONAL DECK PLAN

S. S. City of Manchester
LIVERPOOL:
Report No. 105830

WIS6-0178

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MIDSHIP SECTION

S. S. City of Manchester
LIVERPOOLS
Report No. 105830

W156-0181

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# MIDSHIP SECTION.

SCALE 1/2" ONE FT.

DIMENS: 485-0BP x 64-0MLD x 42-3 MLD TO UPPER DECK,

33-9 MLD TO 2ND DECK.

TO CLASS LLOYDS 100 AI WITH A FREEBOARD CORRESPONDING
TO A DRAUGHT NOT EXCEEDING THAT CONTEMPLATED BY THE
RULES FOR A COMPLETE SUPERSTRUCTURE VESSEL HAVING A
TONNAGE OPENING.

### RIVETING.

BUTTS OF FLAT PLATE KEEL OVERLAPPED & QUAD PIVETER CENTRE GIODER CLEAR OF DUCT KEEL. TREBLE RIVETED THR " TANK TOP CENTRE STRAKE. TREBLE RIVT THROUGHOUT. REMAINDER OF TANK TOP PLATING DOUBLE RIVETED THEOUGHOUT " MARGIN PLATE, TREBLE RIVT THROUGHOUT. " " SHELL PLATING (KEEL TO UPPER TURN OF BILGE) QUAD, RIVT TO TREBLE AT ENDS. " SIDE SHELL TREBLE RIVT" (WHERE NOT EXCEEDING 68) THROUGOUT. " FORECASTLE SIDE S.R. THROUGHOUT. " UPPER DECK SHEERSTRAKE . QUAD RIVE TO TREBLE RIVETED . " STRAKE BELOW " " " " " " " " UPPER DECK STRINGER QUAD. RIVT FOR LEN. TO TREBLE AT ENDS " PLATING TREBLE " " /2 " TO SINGLE " " " " 2NO DECK STRINGER TREBLE " " /2 LEN TO DOUBLE " " PLATING DOUBLE " " SINGLE " " " STRINGER DOUBLE RIVT THROUGHOUT " PLATING SINGLE RIVT " " FORECASTLE DECK STRINGED & FLOTING DINGLE RIVT THROUGHOUT S - 7/8 RIVETS IN SEAMS OF SHELL PLATING AMIDSHIPS (EXCLUDING RIVETS IN FRS.) FRAMES TO SHELL IN AFTER PEAK, FORE PEAK, DEEP TANKS, & FORWARD OF 10% L AFT OF COLLISION BULKHEAD TO 4TH DECK, TO BE SPACED 5/2 DIAS AFART.

## NUMERALS.

 $D = 33.75 + 8.0^{\circ} = 41.75$   $L \times D = 485.0 \times 41.75 = 20.248$   $L_{\times}(B+D) = 485(64+41.75) = 51,288$   $L_{D} \text{ TO UPPER DK} = 11.6 \text{ M}$ FRAMING DEPTH 'd'AMIDSHIPS = 18.1

#### EQUIPMENT NUMERAL.

| L×(E   | うナ  | <b>D</b> ) |     |      | de China<br>Storia | CTrings<br>plans |     | 51                           | ,288 |
|--------|-----|------------|-----|------|--------------------|------------------|-----|------------------------------|------|
| FOREC  | as' | TLE.       |     | 48   | × 7                | 7.5 ×            | 75  | trans.                       | 270  |
| HOUSES | ON  | UPPER      | DK! | 7168 | *                  | 7.75             | .50 | STATES PARTY<br>MINISTERNACE | 651  |
| (I     | 11  | BOAT       |     | 26   |                    | 8.0              | -50 | SALES SEE                    | 104  |

### EQUIPMENT.

2 BOVIER ANCHORS EACH 30 CWTS STOCKLESS

1 " " 77/2 "

1 STREAM 26/2 " EX STOCK

300 FMS. 2'9/6 STUD CHAIN CABLE.

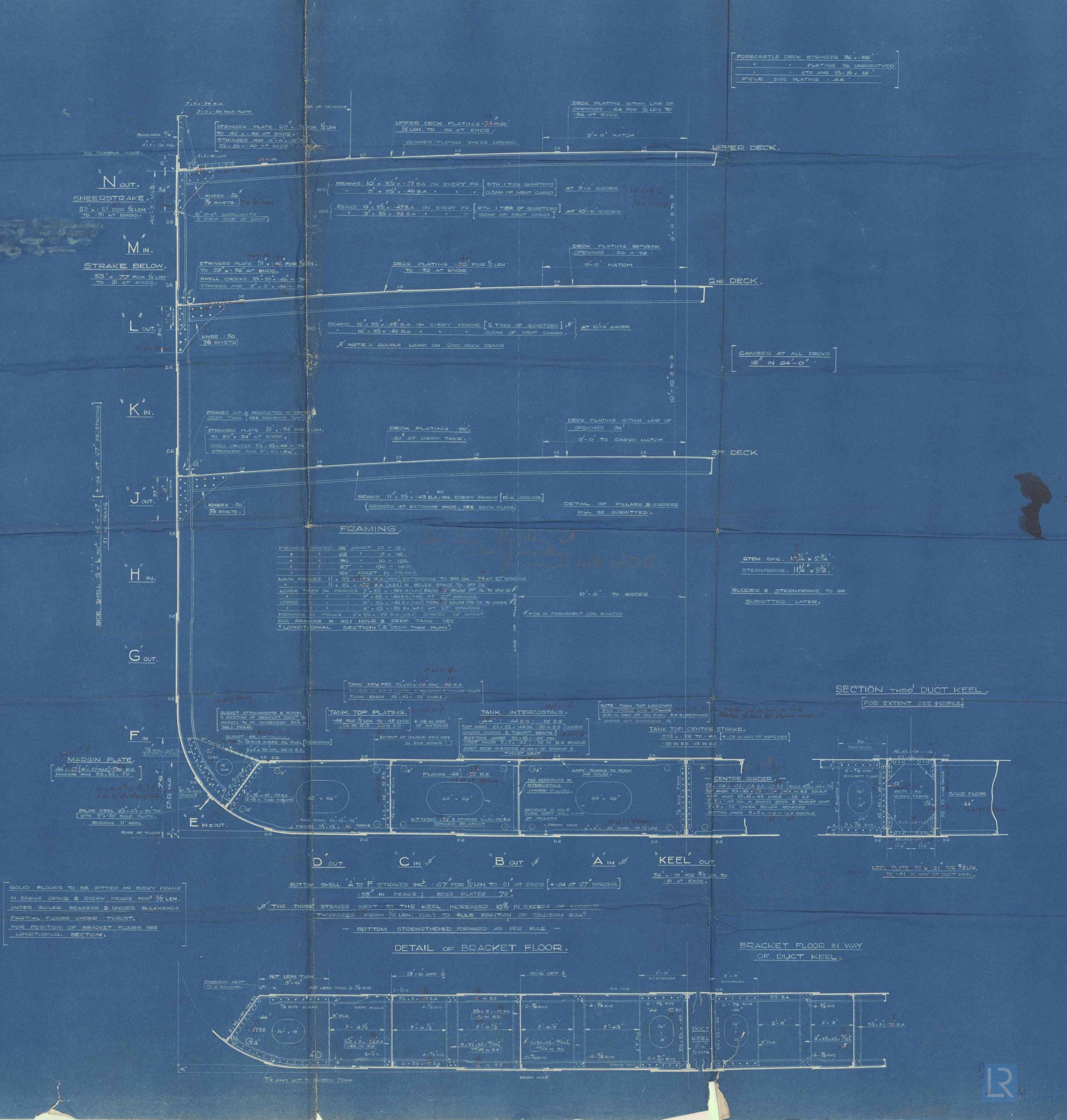
120 " 5" STEEL WIRE.

130 \* 5/2 STEEL WIRE TOWLINE.

2 AT 100 FMS. 8" HAWSER.

2 " " 8" WARP.

OF THE RULES BROOKS BE COMPLIED WITH



W156-0176 Pland Main Bolles hotos 9. City y Manchester s. s. City of Manchester LIVERPOOL: Report No. 105830

# BOILERS Nº 1005. 5 MAIN BOILERS.

HEATING SURFACE OF TUBES

approval notices

with outstellerned Streys

2590

" FURNACES ETC. 550

To=41 7140

TOTAL 3140 x 5 = 15700SQ.FT.

GRATE AREA 5'-6" BARS 72 SQ.FT. X 5 = 360 SQ.FT.

WORKING PRESSURE 275 LBS. PER SQ. INCH.
TEST , 462 1/2 , , , ,

TO BE TO THE REQUIREMENTS, TESTS & SURVEY OF LLOYDS.
THE DESIGN TO BE APPROVED BY BOARD OF TRADE.

LONGITUDINAL SEAM. SCALE, 1/2" TO IFOOT.

PLATE 83.8%

RIVETS 83.1%

COMB . 84-37%

AT, EACH 114" 1114"

SCARPHED RIVET HOLES 13/16 DIA.

10 PITCHES AT 114

10'-9'2" CENTRES.

ALL HOLES DRILLED IN PLACE.

XEY PLAN

3. A. 5

2. 1

Aux Blr.

RIVET HOLES 13/6 DIA

MANHOLE RUNG. SCALE, 1/2" = 1FOOT.



Me Neil Door In Shell In

SUITABLE POSITION.

| OF    | TENSILE STRENGTH      |  |  |  |
|-------|-----------------------|--|--|--|
| STEEL | 34 TO 38 TONS PER D"  |  |  |  |
| >>    | 26 ,, 30 ,, ,,        |  |  |  |
| >9    | 26 , 30 , , ,         |  |  |  |
| >>    | 28                    |  |  |  |
| ,,    | 26 " 30 " " "         |  |  |  |
| "     | 26 " " " " "          |  |  |  |
|       | STEEL  ""  ""  ""  "" |  |  |  |

THE CONT. Gra/M. Nett. SEE B489.

DE ONTON FLENANCES SE THOM.

DE ONTON FL

TUBES OF LAP-WELDED IRON. 3" EXT. DIA. (40A TOTAL PER BOILER)

PLAIN TUBES 3" EXT. DIA. (31/6" AT FRONT ENDS) X Nº 7 W.G.

STAY " 3" " " FRONT ENDS SWELLED TO 31/4" EXT. DIA. &

BOTH ENDS SCREWED 9 THREADS / INCH. CONTINUOUS THREADS

MARKED THUS S TO BE 3/8" THICK NETT. SECTION 2.447 0"

" " X " 7/16" " " 2.8673 0"

" " 3.2723 0"

BACK ENDS OF ALL TUBES TO BE BEADED OVER.

COMBUSTION CHA. STAYS. 9 THDS/IN. SCREWED INTO PLATES

& NUTTED EACH END EXCEPT WHERE CONED (SEE DETAIL X) OR NOTED

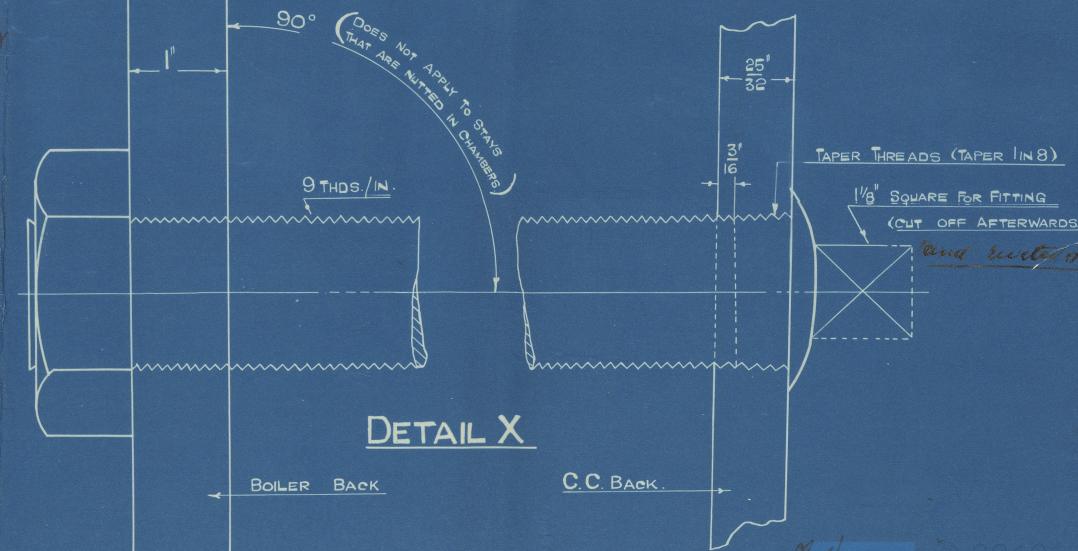
STAYS MARKED THUS O TO BE 15/8 DIA. NETT. SECT. 1.73 D"

""" "" "" 2.03 ""

""" "" 2.03 "

""" "" "" 2.36 "

""" "" "" 3.09 "



SECTION SHOWING THINNED

PORTION OF BACK TUBE PLATE.

BACK TUBE PLATE.

SCALE:-I"=IFOOT.

WIS6-0180-Auxil' boiler plan 17005 9. City of manchester

